

Title (en)

FLUORINE-MODIFIED SILICONE DERIVATIVE, PRODUCTION THEREOF, AND COSMETIC CONTAINING THE SAME.

Title (de)

FLUOR-MODIFIZIERTES SILIKONDERIVAT, SEINE HERSTELLUNG UND DIESES DERIVAT ENTHALTENDE KOSMETISCHE ZUBEREITUNG.

Title (fr)

DERIVE DE SILICONE MODIFIE PAR LE FLUOR, PRODUCTION DE CE DERIVE ET COSMETIQUE EN CONTENANT.

Publication

EP 0640644 A4 19941109 (EN)

Application

EP 93904340 A 19930223

Priority

- JP 9300223 W 19930223
- JP 5164092 A 19920310
- JP 33414392 A 19921215

Abstract (en)

[origin: EP0640644A1] A fluorine-modified polysiloxane derivative having an organopolysiloxane chain partially replaced by a siloxane chain represented by general formula (1), (2), (3), a process for the production thereof, an intermediate to be used for the production thereof, and a cosmetic containing the same, wherein Rf and Rf' represent each C1-C20 perfluoroalkyl or omega -H-perfluoroalkyl of the formula H(CF2)t- wherein t represents an integer of 1 to 20; a number of R<1> groups may be the same or different from each other and each represents C1-C20 linear or branched aliphatic hydrocarbyl or C5-C10 cycloaliphatic or aromatic hydrocarbyl; R<2> represents hydrogen, C1-C20 linear or branched aliphatic hydrocarbyl, C5-C10 cycloaliphatic or aromatic hydrocarbyl, C1-C20 perfluoroalkyl or omega -H-perfluoroalkyl of the formula H(CF2)u- wherein u represents an integer of 1 to 20; R<3> represents a C2-C10 divalent hydrocarbon group; X and Y represent each a single bond, -CO- or a C1-C6 divalent hydrocarbon group; l represents a number of 2 to 16; m and n represent each a number of 1 to 6; and r represents a number of 0 to 50. A cosmetic containing this compound has excellent water and oil repellency, can be held on the skin for long, and is comfortable to use. <CHEM>

IPC 1-7

C08G 77/385; **A61K 7/02**; **C08L 83/06**

IPC 8 full level

A61K 8/03 (2006.01); **A61K 8/58** (2006.01); **A61K 8/70** (2006.01); **A61K 8/894** (2006.01); **A61K 8/897** (2006.01); **A61K 8/898** (2006.01); **A61Q 1/02** (2006.01); **A61Q 1/08** (2006.01); **A61Q 1/10** (2006.01); **A61Q 1/12** (2006.01); **A61Q 3/00** (2006.01); **A61Q 17/04** (2006.01); **A61Q 19/00** (2006.01); **C08G 77/14** (2006.01); **C08G 77/24** (2006.01); **C08G 77/385** (2006.01); **C08G 77/46** (2006.01); **C08J 3/03** (2006.01); **C08L 83/06** (2006.01)

CPC (source: EP US)

A61K 8/03 (2013.01 - EP US); **A61K 8/585** (2013.01 - EP US); **A61K 8/70** (2013.01 - EP US); **A61K 8/894** (2013.01 - EP US); **A61K 8/897** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **C08G 77/385** (2013.01 - EP US); **A61Q 1/02** (2013.01 - EP US); **A61Q 1/08** (2013.01 - EP US); **A61Q 1/10** (2013.01 - EP US); **A61Q 1/12** (2013.01 - EP US); **A61Q 17/005** (2013.01 - EP US); **A61Q 17/04** (2013.01 - EP US)

Citation (search report)

- [PA] EP 0475130 A2 19920318 - KAO CORP [JP]
- [A] EP 0467852 A2 19920122 - CIBA GEIGY AG [CH]
- See references of WO 9318085A1

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Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0640644 A1 19950301; **EP 0640644 A4 19941109**; **EP 0640644 B1 19990707**; DE 69325580 D1 19990812; DE 69325580 T2 19991125; ES 2136123 T3 19991116; US 5548054 A 19960820; US 5700898 A 19971223; US 5976518 A 19991102; US 6018082 A 20000125; WO 9318085 A1 19930916

DOCDB simple family (application)

EP 93904340 A 19930223; DE 69325580 T 19930223; ES 93904340 T 19930223; JP 9300223 W 19930223; US 29086894 A 19940829; US 60633996 A 19960223; US 93398697 A 19970919; US 93408697 A 19970919